9/12/09

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are regulred to respond to a collection of Information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

ounplote it is to the					
Application Number					
Filing Date	Herewith				
First Named Inventor	Mark M. Harbaugh				
Art Unit					
Examiner Name					
Attorney Docket Number	110003.00031.03AB131				

				DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (J known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
W	1	^{US-} 5.559.419	09-24-1996	Jansen et al	
	2	^{US-} 6,281,659	08-28-2001	Giuseppe	
	3	^{US-} 5.502.360	03-26-1996	Kerkman et al	
Ly.	4	^{US-} 5.689.169	11-18-1997	Kerkman et al	
		US-			
		UŞ			
_		US			
		US-			
		US-			
		Us			
		US			
		US-			
		US-			
		U\$-			
		US-			
		US-			

Examiner Initials*	Cite No.1	Foreign Patent Document	GN PATENT DOCU	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code ³ "Number ⁴ "Kind Code ⁵ (# known)	MM-DD-YYYY		
					
			1		

Date Signature Considered

*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language

Traisation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO				re required to respond to a collection of information unless it contains a valid OMB control number. Complet If Known			
				Application Number			
INF	ORMATION	DIS	CLOSURE	Filing Date	Herewith		
STA	TEMENT E	BY A	PPLICANT	First Named Inventor	Mark M. Harbaugh		
				Art Unit			
(Use as many sheets as necessary)			necessary)	Examiner Name			
Sheet	2	of	2	Attorney Docket Number	110003.00031.03AB131		

Examiner	Cite	OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of					
nitials*	No.1	the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
RM	1	A New Zero Frequency Flux Position Detection Approach for Direct Field Oriented Control Devices, 1999 IEEE, pp. 2290-2297, Consoli, et al.					
)	2	Using Multiple Saliencies for the Estimation of Flux, Position, and Velocity in AC Machines, IEEE Trans. of Ind. Applns, vol. 34, no. 5, Sept/Oct 1998, pp 1097-1104, Degner et al.					
	3	Sensorless Field Orientation Control of an Induction Machine by High Frequency Signal Injection, IEEE Ind. Applns. Soc., Annual Meeting, Oct. 1997, pp 426-432, Ha et al					
	4	Air-Gap Flux Position Estimation of Inaccessible Neutral Induction Machines by Zero Sequence Voltage, 6 pages, 6/6/2000, Consoli et al.					
	5	Sensorless Field Oriented Control Using Common Mode Currents, 2000, 8 pages, Consoli et al					
Rin	6	US Pat. Appln. Serial No: 10/610,427 filed 06-30-2003, Flux Position Identifier Using High Frequency Injection, 10 sheets of drawings, Royak, et al					
							

	<u> </u>	// //		
Examiner Signature	1 M/	N	Date Considered	13/20US

*EXAMINER: Initial inverserence considered, Whether or not citation is in conformance with MPEP 609. Draw line through citation if pot in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.